

Navy Deaths *and* Injuries

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This study of off-duty mishaps (recreation, athletic and home) is based on data from FY94 to FY04 and follows two other studies ordered by Commander, Naval Safety Center, RADM Dick Brooks. “Reducing Maintainer Deaths and Injuries” in the spring 2004 issue of *Mech* magazine detailed the findings of a study that centered on aviation ratings only. Meanwhile, “Navy Deaths and Injuries on our Roads” in the winter 2004-05 issue of *Sea&Shore* detailed the findings of a study that focused on PMV mishaps among all ratings.

In this latest story, you’ll find a listing of off-duty casualties by individual rates, a summary by ratings, a summary ordered from highest to lowest mishap rate,

and a summary from highest to lowest death rate, and a listing of deaths regardless of population. Senior rates showed up more frequently in off-duty mishaps: 7 of 20 death rates were E-6 or above, and 4 of 20 mishap rates were E-6 or above. Rates with fewer than 150 people were excluded to ensure a fair and statistically significant sample.

The average off-duty mishap rate for all ratings was **99.59**, and the average death rate was **6.49**. Ten rates were three times or greater than the average mishap rate (high of **491.80**). Ten rates were two times or greater than the average death rate (high of **36.76**).

[Note: Asterisks indicate rates in the top-20 from the PMV study.—Ed.]

Navy photo by PH2 Tiffini M. Jones



in Off-Duty Mishaps

Top-20 Rates (death rates—mishap and death rates are per 100,000 people, per year):

<i>Rate</i>	<i>Pop</i>	<i>Deaths</i>	<i>Death Rate</i>
SWCN	166	3	180.72
UTCN	252	2	79.37
STGSN	266	2	75.19
DCFN*	183	1	54.64
FCCS	191	1	52.36
ICFN*	391	2	51.15
FT3	215	1	46.51
YNCS	231	1	43.29
OSCS	234	1	42.74
YNSN	473	2	42.28
TM3	243	1	41.15
BMC	244	1	40.98
AZAN*	258	1	38.76
DKSN	258	1	38.76
MMCM	264	1	37.88
DK2	588	2	34.01
BU2	602	2	33.22
GSMC	302	1	33.11
BUCN	605	2	33.06
AZ1	672	2	29.76

These 20 rates (4.2 percent of all rates) accounted for 14.1 percent of all deaths. The top-50 rates (**10.5** percent of all rates) accounted for **38** percent of all deaths.

Top-10 Rates (deaths regardless of population – No. 10 spot is tied with 3 deaths each: AT3, BM1, CS3*, EM3*, ET3*, FC2, MM1, MM2*, MMC, SK1, and SWCN)

<i>Rate</i>	<i>Pop</i>	<i>Deaths</i>	<i>Mishap Rate</i>	<i>Death Rate</i>
AN*	14,108	10	75.84	7.09
SN*	13,299	10	123.32	7.52
AT2	3,338	6	01.86	17.97
IT2	4,234	6	87.39	14.17
HN	6,595	5	40.94	7.58
AOAN	2,046	4	117.30	19.55
ATAN	2,034	4	68.83	19.67
FN*	5,365	4	124.88	7.46
MM3*	5,330	4	121.95	7.50



Navy photo by PHAN Ryan O'Connor

Top-10 Ratings (deaths regardless of population)

<i>Rating</i>	<i>Pop</i>	<i>Deaths</i>	<i>Mishap Rate</i>	<i>Death Rate</i>
MM*	18,327	15	109.13	8.18
AT*	11,657	14	91.79	12.01
IT*	10,966	13	111.25	11.85
AN	14,108	10	75.84	7.09
HM*	24,391	10	47.97	4.10
SN*	13,299	10	123.32	7.52
EM*	9,395	9	110.70	9.58
ET*	16,207	8	110.45	4.94
YN	7,549	8	128.49	10.60
AO	8,119	7	99.77	8.62



Navy photo by PHAN Erica Treider

Top-20 Rates (mishap rates):

<i>Rate</i>	<i>Pop</i>	<i>Inj/Deaths</i>	<i>Mishap Rate</i>
DCFN*	183	9	491.80
MR3*	172	7	406.98
BMC	244	9	368.85
TM2	218	8	366.97
DC3	850	31	364.71
GMSN*	308	11	357.14
TM3	243	8	329.22
ICC	158	5	316.46
SWCN	166	5	301.20
ENFN*	372	11	295.70
AW3*	380	11	289.47
STGSN	266	7	263.16
OS3	1,681	42	249.85
GSEC	204	5	245.10
TM1	250	6	240.00
OSSN*	1,253	30	239.43
UTCN	252	6	238.10
STG3*	800	19	237.50
AZAN*	258	6	232.56
FT3	215	5	232.56

These 20 rates (4.2 percent of all rates) accounted for 4.7 percent of all injuries/deaths. The top-50 (10.5 percent of all rates) accounted for 19.1 percent of all injuries/deaths.

Top-10 Ratings (mishap rate) Top-10 Ratings (death rate)

<i>Mishap</i>			<i>Death</i>		
<i>Rating</i>	<i>Pop</i>	<i>Rate</i>	<i>Rating</i>	<i>Pop</i>	<i>Rate</i>
TM	899	300.33	SW*	816	36.76
DC*	3,490	223.50	UT*	1,018	19.65
STG	3,537	197.91	STG	3,537	16.96
QM	3,894	190.04	DK	1,829	16.40
HT*	3,899	171.84	BU*	2,517	15.89
BM	7,062	164.26	FT	1,417	14.11
GM	4,466	158.98	AT	11,657	12.01
OS	9,163	157.15	AZ	3,373	11.86
EN*	5,663	155.39	IT	10,966	11.85
MR*	1,173	153.45	STS	2,546	11.78

The people who are “high risk” in both (PMV and off-duty) lists may need immediate leadership attention. We don’t know specific causes for the higher rates, but here are several intervention strategies worthy of consideration:

- Discuss possible reasons for abnormally high rates.
- Review work schedule and fatigue issues.
- Present quarterly off-duty (recreation/athletic/home) training, with focus on PPE and mishap prevention, or drive-safe training for PMV. During long weekends (holidays) and pre-/post-deployments and when visiting foreign ports, conduct ORM training. 